# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### PATENT APPLICATION

Applicants: Andries P. HEKSTRA, John G. BEERENDS,

Robert H. KOENEN, Franciscus E. DE CALUWE

Atty. Doc.: PTT-100/CON(402366US)

Serial No.: Filed:

Group Art Unit: Confirmation No.:

Examiner:

Title: METHOD AND ARRANGEMENT FOR OBJECTIVE ASSESSMENT OF

VIDEO QUALITY

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

S I R:

### DISCLOSURE STATEMENT

The applicants respectfully request that the following references be considered in the examination of the above-identified application. A copy of each reference is enclosed.

# United States Patents

Patent Number		Inventor	Date	Iss	Class	
AA.	5,596,364	Wolf et al	Jan.	21,	1997	348/192
AB.	5,446,492	Wolf et al	Aug.	29,	1995	348/192
AC.	5,329,379	Rodriquez et al	Jul.	12,	1994	358/433

## Publications

- AD. S. Voran, "THE DEVELOPMENT OF OBJECTIVE VIDEO QUALITY MEASURES THAT EMULATE HUMAN PERCEPTION", GLOBECOM '91, pp. 1776-1781.
- AE. S. Voran et al, "AN OBJECTIVE TECHNIQUE FOR ASSESSING VIDEO IMPAIRMENTS", <u>IEEE Pacific Rim Conference on Communications</u>, Computers and Signal Processing, Vol. 1 of 2, May 19<sup>th</sup> to 21<sup>st</sup>, 1993, Victoria, British Columbia, Canada, pp. 161-165.
- AF. S. Wolf et al, "OBJECTIVE QUALITY ASSESSMENT OF DIGITALLY TRANSMITTED VIDEO", <u>IEEE Pacific Rim</u>

  <u>Conference on Communications, Computers and Signal</u>

  Processing, May 9-10, 1991, pp. 477-482.

## REMARKS

Under rule 37 C.F.R. 1.98(a) (effective March 16, 1992), the applicants submit that no specific comments are necessary for the above-cited English-language references.

These references constitute all the references cited by either the applicants or the Examiner in applicants' parent patent application serial no. 09/601,901, filed October 17, 2000.

For the Examiner's convenience, the applicants have attached a completed modified Form PTO/SB/08A&B.

Respectfully submitted,

November 14, 2003

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Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO	Complet if Known		
Gabolitato (d. 1811). 1 1 1 37 1 5	Application Number		
INCODMATION DISCLOSUDE	Filing Date		
INFORMATION DISCLOSURE	First Named Inventor	Andries P. HEKSTRA	
STATEMENT BY APPLICANT	Art Unit		
(Use as many sheets as necessary)	Examiner Name		
Sheet 1 of 2	Attorney Docket Number	PTT-100/CON(402366US)	

Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	<sup>US-</sup> 5,596,364	01-21-1997	Wolf et al	S. Voran et al, "AN
	AB	<sup>US-</sup> 5,446,492	08-29-95	Wolf et al	
	AC	<sup>US-</sup> 5,329,379	07-12-1994	Rodriguez et al	
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	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	<b>-</b> 6				
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T"				
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>8</sup>Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (08-03)

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Substitute for form 1449/PTO				Complete if Known			
Gubantu	10 10 10 10 10 10			Application Number			
INF	ORMATION	DIS	CLOSURE	Filing Date			
STATEMENT BY APPLICANT				First Named Inventor	Andries P. HEKSTRA		
				Art Unit			
	(Use as many she	ets as n	ecessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	PTT-100/CON(402366US)		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AD	S. Voran, "THE DEVELOPMENT OF OBJECTIVE VIDEO QUALITY MEASURES THAT EMULATE HUMAN PERCEPTION", GLOBECOME '91, pp. 1776-1781.	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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